



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I  
5 POST OFFICE SQUARE, SUITE 100  
BOSTON, MA 02109-3912

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

JUL 29 2010

Joseph V. Cassidy, P.E.  
Director of Technical Services  
Department of Public Works  
165 Capitol Avenue, Room 275  
Hartford, Connecticut 06106

Re: H.C. Wilcox Technical High School PCB Cleanup and Disposal Approval under  
40 CFR §§ 761.61(a) and (c), and § 761.79(h)

Dear Mr. Cassidy:

This is in response to the Connecticut Department of Public Works (CT DPW) Notification<sup>1</sup> for approval of a proposed PCB cleanup project for the H.C. Wilcox Technical High School located at 298 Oregon Road, Meriden, Connecticut (the Site). The Site contains PCB caulk and PCB window glazing that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a) and § 761.62.

The Site is part of the Connecticut Technical High School System, which is owned by the Department of Education. However, CT DPW will have oversight of and responsibility for the PCB cleanup work proposed in the Notification. In the Notification, CT DPW has proposed the following PCB cleanup and disposal plan:

- Remove PCB caulk, PCB glazing, and associated windows and doors;
- Remove PCB-contaminated *porous surfaces* with greater than or equal to ( $\geq$ ) 1 part per million (ppm) PCBs,
- Remove PCB-contaminated soil with  $\geq$  1 ppm PCBs;
- Collect verification samples to confirm that the PCB cleanup standards have been met;

<sup>1</sup> Information was prepared by TRC Environmental Corporation on behalf of CT DPW, CT DOE, and CT Technical High School System to satisfy the requirements under 40 CFR §§ 761.61(a) and (c) and 761.79(h). Information was submitted dated June 2010 (SIP); July 15, 2010 (e-mail of curtain wall); and July 20, 2010 (e-mail response to comments); and, July 21, 2010 (e-mail response to comments) and shall be referred to as the "Notification."

- Dispose of all PCB caulk, window glazing and associated building substrates as a greater than or equal to ( $\geq$ ) 50 ppm PCB waste at a TSCA-approved landfill or a RCRA hazardous waste landfill; and,
- Dispose of PCB-contaminated soil with less than ( $<$ ) 50 ppm at a RCRA Subtitle D landfill in accordance with § 761.61(a)(5)(i)(B)(2)(ii).

With respect to the caulk and window glazing which have PCB concentrations at  $< 50$  ppm, CT DPW has determined that these products meet the definition of an *Excluded PCB Product* as defined at 40 CFR § 761.3. As such, cleanup and disposal of these products are not addressed in this Approval. While these products are not addressed under this Approval in its Notification, CT DPW has indicated that these products will be removed per the requirements of the Connecticut Department of Environmental Protection (CT DEP). Removal of these products is detailed in Appendix A of the June 2010 submittal.

With the exception of the verification sampling frequency, the information provided meets the notification requirements under § 761.61(a) for *PCB remediation waste* and the disposal requirements for PCB caulk and PCB window glazing (i.e. *PCB bulk product waste*) under § 761.62. CT DPW has proposed an alternative verification sampling frequency for decontaminated *porous surfaces* in accordance with § 761.61(c).

CT DPW may proceed with its cleanup in accordance with 40 CFR §§ 761.61(a) and (c); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

Please be aware that under this Approval EPA is requiring additional sampling and/or abatement measures for the C2 caulk, the DC1 caulk, and the IC4 caulk than proposed in the Notification. Specifically, EPA is requiring a higher verification sampling frequency for sample locations associated with the C2 caulk and the DC1 caulk than was proposed in the Notification. No data was provided to support the alternative sampling for the C2 caulk and the DC1 caulk. For the IC4 caulk location (10-foot interior expansion joint on the B Wing), EPA is requiring additional verification sampling or a 12-inch cut-back from the caulk joint. The 12-inch cut-back is proposed for the IE1 and IE2 interior expansion joints (see Attachment 1, Condition 13).

Please note Attachment 1, Condition 10 of this Approval. Within 30 days of receipt of this Approval, CT DPW shall be required to submit its schedule for implementation and completion of the work authorized under this Approval and detailed in the Notification, including abatement of the caulk and window glazing with PCB concentrations at  $< 50$  ppm.

This Approval does not release CT DPW or CT DOE from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCBs or other contaminants under the CT DEP regulations.



EPA is aware of ongoing outreach efforts to teachers, parents, students and staff. A meeting to discuss the PCB status at the school was held earlier this year. EPA requests documentation of any additional outreach planned prior to the initiation of this PCB cleanup work.

Questions and correspondence on this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)  
United States Environmental Protection Agency  
5 Post Office Square, Suite 100  
Boston, Massachusetts 02109-3912  
Telephone: (617) 918-1527  
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

A handwritten signature in black ink, appearing to read "James T. Owens, III".

James T. Owens, III Director  
Office of Site Remediation & Restoration

cc: J. Bolton, CT DPW  
J. Woodmansee, CT DOE  
Principal R. Cavallaro, Wilcox  
G. Trombly, CT DEP  
B. Toal, CT DPH  
M. Beeler, TRC

Attachment 1

## ATTACHMENT 1

**PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS  
H.C. WILCOX TECHNICAL HIGH SCHOOL ("the Site")  
298 OREGON ROAD, MERIDEN, CONNECTICUT**

### GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification.
2. The Connecticut Department of Public Works (CT DPW) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.
4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
5. CT DPW must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, CT DPW shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.
6. CT DPW is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time CT DPW has or receives information indicating that CT DPW or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.
7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by CT DPW are authorized to conduct the activities set forth in the Notification. CT DPW is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.



8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release CT DPW from compliance with any applicable requirements of federal, state or local law; or 3) release CT DPW from liability for, or otherwise resolve, any violations of federal, state or local law.

#### **NOTIFICATION AND CERTIFICATION CONDITIONS**

9. This Approval may be revoked if the EPA does not receive written notification from CT DPW of its acceptance of the conditions of this Approval within 10 business days of receipt.
10. Within 30 days of receipt of this Approval, CT DPW shall submit a schedule for implementation and completion of the activities authorized under the Approval and detailed in the Notification. The schedule also should include the abatement of the PCB caulk and window glazing with PCB concentrations at less than (<) 50 parts per million (ppm) that will be undertaken per the Connecticut Department of Environmental Protection (CTDEP) requirements.
11. Prior to initiating onsite work under this Approval, CT DPW shall submit the following information for EPA review and/or approval:
  - a. a certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;
  - b. A contractor work plan, prepared and submitted by the selected contractor(s), detailing the procedures that will be employed for removal of PCB-contaminated materials, for containment design, and for encapsulation of certain *porous surfaces*. This work plan should also include information on waste storage, handling, and disposal for each waste stream type and for equipment decontamination; and,
  - c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

#### **REMEDIAL AND DISPOSAL CONDITIONS**

12. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.

13. PCB-contaminated materials shall be decontaminated and verification sampling and analysis shall be conducted as described below:
- a. All visible residues of PCB caulk and PCB glazing (including associated windows and doors) with greater than or equal to ( $\geq$ ) 50 parts per million shall be removed and disposed of as described in the Notification.
  - b. The decontamination standard for building *porous surfaces* (e.g. concrete, brick, etc) shall be less than or equal to ( $\leq$ ) 1 ppm.
  - i) All post-decontamination verification sampling of *porous surfaces* shall be performed on a bulk basis (i.e. mg/Kg). Samples shall be collected according to EPA's draft Standard Operating Procedure For Sampling Concrete in the Field, dated 12/30/97 to a maximum depth of 0.5 inches.
- (1) The verification sampling frequency for decontaminated *porous surfaces* shall comply with Table 4 of the July 21, 2010 submittal with the exception of the C2 caulk, the DC1 caulk, and the IC4 caulk verification sample locations.
    - (a) The verification sampling frequency for decontaminated *porous surfaces* in contact with C2 caulk shall be 1 sample per every 10 linear feet on either side of the joint;
    - (b) A minimum of four (4) verification samples shall be collected from the DC1 caulk locations.
    - (c) At the IC4 location, CT DPW shall remove a minimum of 12-inches of building *porous surfaces* in contact with PCB caulk. In the alternative, CT DPW shall collect a minimum of three (3) verification samples from the *porous surfaces* to confirm that the PCB cleanup standard of  $\leq 1$  ppm has been met.
    - (c) Verification samples shall be collected at locations not previously sampled during the prior characterization work.
  - (2) Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.



- ii) In the event **any** verification sample is greater than ( $>$ ) 1 ppm, the CT DPW shall contact EPA within 72 hours to determine what modifications, if any, need to be made to the sampling frequency or to the abatement plan for the remainder of the project.
  - iii) For decontaminated *porous surfaces* that have PCB concentrations exceeding the decontamination standard, the CT DPW may conduct additional decontamination to achieve the required decontamination standard or must store and dispose of these materials as TSCA-regulated waste in accordance with 40 CFR Part 761.
- c. Post abatement surface wipe samples shall be collected within containment areas to verify what, if any, additional cleanup is required within the PCB work area. The PCB surface wipe standard for these areas shall be  $< 10 \mu\text{g}/100 \text{ cm}^2$  for areas being demolished or  $< 1 \mu\text{g}/100 \text{ cm}^2$  for materials to remain in place.
- i) Sampling shall be performed on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e.  $\mu\text{g}/100 \text{ cm}^2$ ). At a minimum, the verification sampling frequency shall comply with Table 4 of the July 21, 2010 submittal.
  - ii) Chemical extraction for PCBs shall be conducted using Method 3500B/3540C of SW-846 and chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another method(s) is validated according to Subpart Q.
  - iii) For surfaces within containment that have PCB concentrations exceeding the established cleanup standard, CT DPW may conduct additional cleaning of these surfaces or must store and dispose of these materials as TSCA-regulated waste in accordance with 40 CFR Part 761.
- d. The decontamination standard for soils shall be  $\leq 1$  ppm.
- i) *Bulk PCB remediation waste* samples (i.e. soils) shall be collected on a bulk basis (i.e. mg/Kg) and PCB analytical results shall be reported on a dry weight analysis. The verification sampling frequency shall comply with Subpart O.
  - iii) Chemical extraction for PCBs shall be conducted using Method 3500B/3540C of SW-846 and chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another method(s) is validated according to Subpart Q.

14. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise provided below:
  - a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g)(6).
  - b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
  - c. PCB-contaminated water generated during decontamination or dewatering shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

#### **INSPECTION, MODIFICATION AND REVOCATION CONDITIONS**

15. CT DPW and/or CT DOE shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by CT DPW or CT DOE to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.
16. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).
17. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
18. Any misrepresentation or omission of any material fact in the Notification or in any future records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
19. Approval for these activities may be revoked, modified or otherwise altered: if EPA finds a violation of the conditions of this Approval or of 40 CFR Part 761, including EPA's PCB Spill Cleanup Policy, or other applicable rules and regulations; or, if EPA finds that these activities present an unreasonable risk to public health or the environment.



**RECORDKEEPING AND REPORTING CONDITIONS**

20. CT DPW and/or CT DOE shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the cleanup and disposal activities and the analytical sampling shall be established and maintained by CT DPW and/or CT DOE in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.
21. CT DPW shall submit a Final Completion Report (Report) to the EPA within 120 days of completion of the activities described under this Approval and shall submit same to CT DOE. At a minimum, this Report shall include: a discussion of the project activities; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCBs removed and disposed off-site; copies of manifests and/or bills of lading; and, copies of certificates of disposal or similar certifications issued by the disposer, if applicable.
22. Required submittals shall be mailed to:  
  
Kimberly N. Tisa, PCB Coordinator (OSRR07-2)  
United States Environmental Protection Agency  
5 Post Office Square, Suite 100  
Boston, Massachusetts 02109-3912  
Telephone: (617) 918-1527  
Facsimile: (617) 918-0527
23. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

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**END OF ATTACHMENT 1**

